

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A method for integrating an encryption/decryption system and an email platform in order to encrypt/decrypt email comprising:

receiving an indication to send an email through a send button, wherein the send button is native to the email platform;

upon receipt of the indication, automatically converting a recipient's address from an email format to an internet format;

obtaining a recipient's encryption software public key from an encryption software key server;

using said recipient's encryption software public key to encrypt an email;

using said recipient's encryption software public key to encrypt an attachment;

and

converting said recipient's address from said internet format to said email format.

2. (Previously presented) The method for integrating an encryption/decryption system and an email platform in order to encrypt/decrypt email of claim 1 further comprising:

providing a means for a user to read an encrypted email,

providing a means for a user to read an encrypted email attachment,

requesting a user to type a password of an encryption software private key,

decrypting the encrypted email, and

decrypting the encrypted email attachment.

3. (Previously presented) The method for integrating an encryption/decryption system and an email platform in order to encrypt/decrypt email of claim 2 further comprising:  
allowing a user to use a familiar email software interface to do encryption software key management.
4. (Previously presented) The method for integrating an encryption/decryption system and an email platform in order to encrypt/decrypt email of claim 1 wherein converting the recipient's address from email format to internet format is required to obtain the encryption software public key.
5. (Previously presented) The method for integrating an encryption/decryption system and an email platform in order to encrypt/decrypt email of claim 1 wherein said encryption software public key is obtained from an encryption software server.
6. (Canceled)
7. (Canceled)
8. (Previously presented) The method for integrating an encryption/decryption system and an email platform in order to encrypt/decrypt email of claim 1 wherein said recipient's address is converted from internet format to email format to allow email processing using said email platform.
9. (Previously presented) The method for integrating an encryption/decryption system and an email platform in order to encrypt/decrypt email of claim 1 wherein converting recipient's address from internet format to email format allows retention of rich text content.

10. (Canceled)

11. (Canceled)

12. (Canceled)

13. (Previously presented) The method for integrating an encryption/decryption system and an email platform in order to encrypt/decrypt email of claim 2 wherein said password and encryption software private key are used to decrypt said encrypted email.

14. (Previously presented) The method for integrating an encryption/decryption system and an email platform in order to encrypt/decrypt email of claim 2 wherein said password and encryption software private key are used to decrypt said encrypted email attachment.

15. (Canceled)

16. (Previously presented) The method for integrating an encryption/decryption system and an email platform in order to encrypt/decrypt email of claim 3 wherein said encryption software key management includes changing said password of said encryption software private key.

17. (Previously presented) The method for integrating an encryption/decryption system and an email platform in order to encrypt/decrypt email of claim 3 wherein said encryption software key management includes registering other encryption software public keys with said encryption software key server.

18. (Previously presented) The method for integrating an encryption/decryption system and an email platform in order to encrypt/decrypt email of claim 3 wherein said encryption software key management includes sending out a user's encryption software public key to other people.

19. (Currently amended) A system for integrating public-key encryption software and email software in order to encrypt/decrypt email comprising:

means for receiving an indication to send an email through a send button, wherein the send button is native to the email platform,

means for automatically converting a recipient's address from email format to internet format upon receipt of the indication,

means for obtaining a recipient's public key from an encryption software key server,

means for using a recipient's public key to encrypt an email,

means for using a recipient's public key to encrypt an attachment, and

means for converting recipient's address from internet format to email format.

20. (Previously presented) The system for integrating public-key encryption software and email software in order to encrypt/decrypt email of claim 19 further comprising:

means for a user to read an encrypted email,

means for a user to read an encrypted attachment,

means for requesting a user to type a password to access an encryption software private key,

means for decrypting the encrypted email, and

means for decrypting the encrypted attachment.

21. (Previously presented) The system for integrating public-key encryption software and email software in order to encrypt/decrypt email of claim 20 further comprising:

allowing a user to use a familiar email software interface to do encryption software key management.

22. (Previously presented) The system for integrating public-key encryption software and email software in order to encrypt/decrypt email of claim 19 wherein said converting of said recipient's address from email format to internet format is required to obtain the public key.

23. (Previously presented) The system for integrating public-key encryption software and email software in order to encrypt/decrypt email of claim 19 wherein said public key is obtained from an encryption software server.

24. (Canceled)

25. (Canceled)

26. (Previously presented) The system for integrating public-key encryption software and email software in order to encrypt/decrypt email of claim 19 wherein said recipient's address is converted from internet format to email format to allow email processing using said email software.

27. (Previously presented) The system for integrating public-key encryption software and email software in order to encrypt/decrypt email of claim 19 wherein said converting of said recipient's address from said internet format to said email format allows retention of rich text content.

28. (Canceled)

29. (Canceled)

30. (Canceled)

31. (Previously presented) The system for integrating public-key encryption software and email software in order to encrypt/decrypt email of claim 20 wherein said password and encryption software private key are used to decrypt said encrypted email.

32. (Previously presented) The system for integrating public-key encryption software and email software in order to encrypt/decrypt email of claim 20 wherein said password and encryption software private key are used to decrypt said encrypted attachment.

33. (Canceled)

34. (Previously presented) The system for integrating public-key encryption software and email software in order to encrypt/decrypt email of claim 21 wherein said encryption software key management includes changing said password of said encryption software private key.

35. (Previously presented) The system for integrating public-key encryption software and email software in order to encrypt/decrypt email of claim 21 wherein said encryption software key management includes registering other public keys with said encryption software key server.

36. (Previously presented) The system for integrating public-key encryption software and email software in order to encrypt/decrypt email of claim 21 wherein said encryption software key management includes sending out a user's public key to other people.

37. (Currently amended) A program retention device containing program instruction code executable on at least one networked computing device for integrating public-key encryption software and email software in order to encrypt/decrypt email whereby said program comprising:

receiving an indication to send an email from a send button, wherein the send button is native to the email platform,

automatically converting a recipient's address from email format to internet format upon receipt of the indication,

obtaining an encryption software public key from an encryption software key server,

using the recipient's encryption software public key to encrypt an email,

using the recipient's encryption software public key to encrypt an email attachment and

converting the recipient's address from internet format to email format.

38. (Previously presented) The program retention device containing program instruction code executable on at least one networked computing device for integrating public-key encryption software and email software in order to encrypt/decrypt email of claim 37 further comprising:

providing a means for a user to read an encrypted email,

providing a means for the user to read an encrypted email attachment,

requesting the user to type a password for an encryption software private key,

decrypting the encrypted email, and

decrypting the encrypted email attachment.

39. (Previously presented) The program retention device containing program instruction code executable on at least one networked computing device integrating public-key encryption software and email software in order to encrypt/decrypt email of claim 38 further comprising:  
allowing a user to use a familiar email software interface to do encryption software key management.

40. (Previously presented) The program retention device containing program instruction code executable on at least one networked computing device for integrating public-key encryption software and email software in order to encrypt/decrypt of claim 37 wherein converting the recipient's address from email format to internet format is required to obtain the encryption software public key.

41. (Previously presented) The program retention device containing program instruction code executable on at least one networked computing device integrating public-key encryption software and email software in order to encrypt/decrypt email of claim 37 wherein said encryption software public key is obtained from an encryption software server.

42. (Canceled)

43. (Canceled)

44. (Previously presented) The program retention device containing program instruction code executable on at least one networked computing device for integrating public-key encryption software and email software in order to encrypt/decrypt email of claim 37 wherein said recipient's address is converted from internet format to email format to allow email processing using said email software.



45. (Previously presented) The program retention device containing program instruction code executable on at least one networked computing device for integrating public-key encryption software and email software in order to encrypt/decrypt email of claim 37 wherein said converting of the recipient's address from said internet format to email format allows retention of rich text content.

46. (Canceled)

47. (Canceled)

48. (Canceled)

49. (Previously presented) The program retention device containing program instruction code executable on at least one networked computing device for integrating public-key encryption software and email software in order to encrypt/decrypt email of claim 38 wherein said password and encryption software private key are used to decrypt said encrypted email.

50. (Previously presented) The program retention device containing program instruction code executable on at least one networked computing device for integrating public-key encryption software and email software in order to encrypt/decrypt email of claim 38 wherein said password and encryption software private key are used to decrypt said encrypted email attachment.

51. (Canceled)

52. (Previously presented) The program retention device containing program instruction code executable on at least one networked computing device for integrating public-key encryption software and email software in order to encrypt/decrypt email of claim 39 wherein said encryption software key management includes changing said password of said encryption software private key.

53. (Previously presented) The program retention device containing program instruction code executable on at least one networked computing device for integrating public-key encryption software and email software in order to encrypt/decrypt email of claim 39 wherein said encryption software key management includes registering other encryption software public keys with said encryption software key server.

54. (Previously presented) The program retention device containing program instruction code executable on at least one networked computing device for integrating public-key encryption software and email software in order to encrypt/decrypt email of claim 39 wherein said encryption software key management includes sending out a user's encryption software public key to other users.